

## SAC-3P- 3,0-PUR/CI-1L-Z

Order No.: 1435690



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Sensor/Actuator cable, 3-position, PUR, halogen-free, Black-gray RAL 7021, Free conductor end, on Valve plug C (9,4 mm), with 1 LED, connected with Z diode, Cable length: 3 m

Commercial data	
GTIN (EAN)	4046356413930
sales group	D115
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1037 KG
Catalog page information	Page 106 (PC-2009)

#### Product notes

WEEE/RoHS-compliant since:  
04/15/2009



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Technical data	
<b>General data</b>	
Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Volume resistance	≤ 5 mΩ

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Insulation resistance	≥ 100 MΩ
Length of cable	3 m
Stripping length of the free conductor end	50 mm
Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)

**General characteristics**

Surge voltage category	III
Pollution degree	3
Degree of protection	IP65/IP67
Contact material	CuSn
Contact surface material	Sn
Valve plug contact insert material	PA 66
Material, housing, valve plug	TPU
Sealing material	TPU (Seal molded)
Status display	1 LED
Protective circuit/component	Z diode

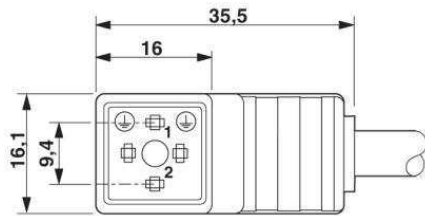
**Conductor data**

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
Conductor cross section	0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm
External cable diameter	4.50 mm
Wire colors	Black 1, black 2, green/yellow
External sheath, color	Black-gray RAL 7021
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 39 Ω/km
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	1200 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires

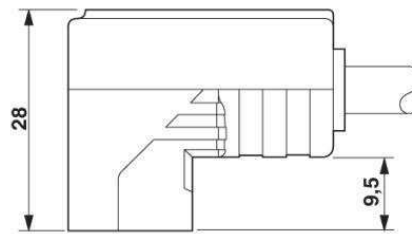
Cable weight	30 kg/km
Smallest bending radius, fixed installation	22.5 mm
Number of bending cycles	4000000
Bending radius	45 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -20 °C ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant

### Diagrams/Drawings

#### Dimensioned drawing

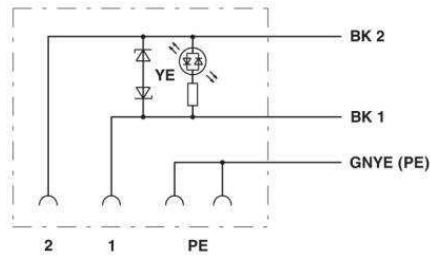


Valve connector, type CI



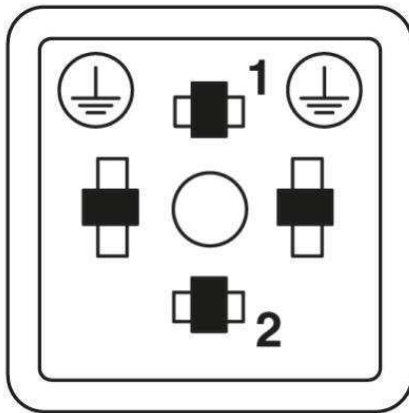
Valve connector, type CI, side view

Circuit diagram

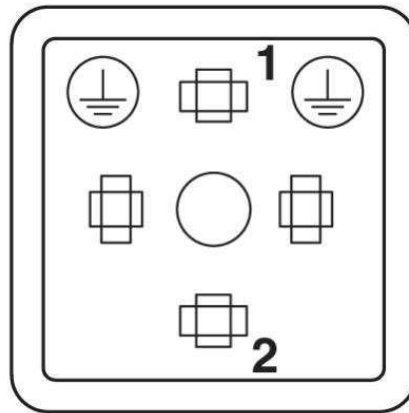


Contact assignment of the valve plug

Schematic diagram



Valve connector connector pin assignment, type CI



Valve connector connector pin assignment, type CI

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